

1986 Editorial Index

Index to Volume 91, January—December 1986

Abbreviations used: (CS) Computer Scene, (DtW) Developments to Watch, (ES) Economic Scene, (OI) Operating Ideas, (WS) Washington Scene

The categories appearing in this index are:

Accidents	Computerized applications	Health	National Coal Council	Sales
Acid mine drainage	Construction	Hungary	Natural gas	Scotland
Acquisitions	Conventions	Hydraulics	Nevada	South Africa
Alabama	Conveyors	Illinois	New Mexico	South Korea
Alaska	Court actions	India	New York	Spain
American Mining Congress	Crime	Indiana	Nigeria	Statistics, coal
Analysis, coal	Deep mining	Indians (American)	North Carolina	Strikes
Anthracite	Demand	Indonesia	Nuclear power	Surface mining
Australia	Department of Energy	International	Office of Surface Mining	Switzerland
Austria	Developments to Watch	Interstate Commerce	Ohio	Synthetic fuels
Awards	Dewatering	Commission (ICC)	Oil and oil shale	Synthetic Fuels Corporation
Benefits	Disasters	Ireland	Oklahoma	Taxes
Bituminous Coal Operators	Dozers	Israel	Oregon	Tennessee
Association Black lung disease	Drilling	Italy	Pakistan	Tennessee Valley Authority
Blasting	Dust	Japan	Pennsylvania	Texas
Books	Economic Scene	Kentucky	People	Training
Brazil	Economics	Labor	Peru	Trucks and trucking
Bureau of Mines	Energy (all fuels)	Laws and legislation	Philippines	United Mine Workers
Canada	Energy information	Lignite	Pipelines	USSR
China	Administration	Liquefaction	Planning	Utah
Closing, reopening of mines	Environment	Lubrication	Pneumatics	Utilities
Coal	Equipment News	Machinery	Poland	Venezuela
"Coal Age"	Expansions	Magnetite	Preparation	Ventilation
Coal Employment Project	Exploration	Maintenance	Production	Virginia
Coal history	Exports, imports	Management	Production Statistics	Washington Scene
Coal leasing	Fire	Manufacturers	Puerto Rico	Water transport
Coal-oil mix	Florida	Marketing	Railroads	West Virginia
Coal usage (conversion to)	Fluidized bed combustion	Maryland	Reclamation	Wisconsin
Coal-water fuels	Forecasts	Mergers	Refuse disposal	Wyoming
Cogeneration	Gasification	Methane	Regulations	Yugoslavia
Coke and coking	Georgia	Mine rescue techniques	Research	Zambia
Colombia	Government	Mine Safety and Health	Reserves	Zimbabwe
Colorado	Great Britain	Administration	Romania	COMPANY INDEX
Communications	Greece	Montana	Roof support	AUTHOR INDEX
Computer Scene	Haulage	National Coal Association (NCA)	Safety	

GENERAL INDEX

Accidents, see also Disasters; Safety

Blasting fatalities bring scrutiny of electric ignition system (News)	Aug 25
Coal mine fatality rate dropped in first nine months, 1985 (News)	Jan 23
Deadly cavity (News)	Aug 31
Fatalities, injuries up in first quarter (News)	Jul 15
Five die in accidents at anthracite mines in Pennsylvania (News)	Jan 19
Letters to the editor	Oct 56
Operator fined (News)	Aug 31
67 died in coal mine accidents in 1985 (News)	Feb 15
Study analyzes hand, finger injuries (News)	Nov 19
Suit (News)	Apr 37
Three miners die in Illinois roof fall (News)	Aug 25
Violations cited in Consol accident (News)	Mar 19

Acid mine drainage

Surfactants can control acid mine drainage (OI)	Jul 61
---	--------

Acid rain, see Environment

Acquisitions, see also "Company Index"; Expansions; Mergers; Sales	
Arch Minerals may buy Diamond Shamrock Coal for \$135 million (News)	Sep 21
Basic changes underlie recent acquisitions (News)	Nov 11
Black Beauty Resources is on block (News)	Dec 30
Castle Gate acquisition completed (News)	Jul 30
Company must accept UMW union with mine it acquired (News)	Feb 19

Consol acquires reserves to expand into new markets (News)	Oct 17
Consol buys Inland Steel's mines (News)	Dec 11
Cyprus Coal buys into mining's big time	Oct 44
Eastern Associated Coal sells Keystone (News)	Oct 33

P&M acquires North River Energy Co (News)

Aug 25	
Pittston acquires Paramount to aid its steam coal position (News)	Aug 27
R&P bids to acquire Barnes & Tucker (News)	Jan 36

VP will sell Laural Run to Island Creek (News)

Aug 19	
--------	--

Agreements, see Labor; Machinery; Mines; Sales

Air pollution, see Environment

Alabama

Deeper ports might attract more coal to Mobile, Baltimore (News)	Sep 18
Florida buys Alabama coal (News)	Nov 31
If 4-in. turtle is endangered, so is Alabama's coal industry (News)	Oct 17
Mobile plans to deepen its channel to aid coal exporters (News)	Mar 25
Nerco sells Alabama coal operations (News)	Feb 19

Alaska

Diamond Shamrock plans Alaskan coal mine project (News)	Jan 39
American Mining Congress (AMC)	
Coal miners meet in the Steel City	Apr 65
New chief knows Washington's inner workings (News)	Feb 23

Analysis, coal

Seismology may cut cost of finding and analyzing coal (DtW)	Aug 71
Sorting shale from coal . . . a new line of research proves promising (DtW)	Sep 112
Trace-particle technique improves diagnostics in coal preparation (DtW)	Apr 89

Anthracite

Bituminous instead (News)	Jan 41
Five die in accidents at anthracite mines in Pennsylvania (News)	Jan 19
For Korea (News)	Nov 33
Refuse passes tests as fuel for heating (DtW)	Mar 71

South Korean contract (News)

Augers, see Drilling

Australia

Coal for technology (News)	Mar 32
Coal terminal is a supermarket offering 100 different blends	Nov 58
Consolidation buys Sierra Coal from Australian company (News)	Aug 23
Density tracers give option to float-sink tests	May 60
Exploration (News)	Feb 37
Higher capacity (News)	Apr 39
Mine opening (News)	Jan 39
Prospects down (News)	Jan 43
Unprofitable (News)	Apr 39

Austria

Mobile roof support successful in South African mine trials (DtW)	Jun 149
---	---------

Automation, see Computerized applications

Awards

Consol award (News)	Nov 31
---------------------------	--------

Reclamation awards (News)	Sept 45
Safe mines (News)	Jul 30

Belts, see Conveyors

Benefits

Internal union dispute centers on pension fund payments (News)	Jun 19
Bituminous, see Coal; Production Statistics; Statistics, coal	
Bituminous Coal Operators Association (BCOA) Union adopts an aggressive stance (News)	Oct 11

Black lung disease

University of Kentucky wins grant for miner X-ray program (News)	Jan 23
--	--------

Blasting

Accurate detonators in trials boost production, reduce shock	Apr 48
Accurate timed delays improve vibration control and breakage	Jan 62
Fatalities bring scrutiny of electric ignition systems (News)	Aug 25
How to take advantage of the new OSM blasting regulations	Mar 42
Improved blast designs can reduce rockfall hazards (OI)	Aug 68
Letters to the editor	Oct 56
Spoil-side dip-line stripping works well with cast blasting	Aug 40
Trying low-wall stripping and cast blasting, too	Oct 62

Bolting, see Roof support

Books

Feb 86; Mar 75; May 72; Jun 167; Aug 90; Oct 77	
---	--

Brazil

Buys Russian and Chinese coal (News) ..	Nov 27
Coal to Brazil (News)	Nov 33
Joint venture (News)	Oct 35
Mining (News)	Mar 32
Plans to develop 22-billion-ton reserve (News)	Jan 39

Sale to Brazil (News)	Mar 32
-----------------------------	--------

Strike ends (News)	Mar 32
--------------------------	--------

Strike in Brazil (News)	Jul 33
-------------------------------	--------

USSR to Brazil (News)	Jul 33
-----------------------------	--------

Bureau of Mines (BOM)

Continues to pour out useful medley of machines and ideas	Feb 60
Microwave drying of fine coal	Dec
Super-polymer solidifies coal-clay waste for disposal	Oct 58

Cable, see Power supply

Canada

Boston coal refining process will be tested in Vancouver (News)	Jun 23
---	--------

Call for acid rain cut will boost spending on clean coal technologies (WS)	Jan 9
--	-------

Canadian import (News)	Nov 31
------------------------------	--------

Clean-coal technology urged to end acid rain dispute (News)	Feb 33
---	--------

Coal production (News)	Aug 32
------------------------------	--------

Coalition opposes increasing power imports from Canada (News)	Nov 15
---	--------

Exports (News)	Apr 39
----------------------	--------

Multiple grades (News)	Oct 35
------------------------------	--------

U.S. moves against acid rain to appease Canada (News)	May 16
---	--------

China

Acid rain warning (News)	Aug 32
--------------------------------	--------

Aerial success (News)	Jan 43
-----------------------------	--------

Brazil buys Russian and Chinese coal (News)	Nov 27
---	--------

Cement trade (News)	Nov 33
---------------------------	--------

Chinese bid in U.S. (News)	Jun 37
----------------------------------	--------

Conversion (News)	Oct 35
-------------------------	--------

Disciplined (News)	Aug 32
--------------------------	--------

Engineers claim better water-resistant grouting (DiW)	Apr 89
---	--------

Expanding exports (News)	Sept 47
--------------------------------	---------

Hong Kong deal (News)	Nov 33
-----------------------------	--------

Mine-mouth plants (News)	Jul 33
--------------------------------	--------

Mongolian mine (News)	Sept 47
-----------------------------	---------

Must spend \$43.5 billion to achieve its coal plans (News)	Apr 29
--	--------

Nukes shelved (News)	Apr 39
----------------------------	--------

Plans to expand mines to increase coal production (News)	Sept 34
--	---------

Plants to China (News)	Jun 37
------------------------------	--------

Production (News)	Jun 37
-------------------------	--------

Production target (News)	Jul 33
--------------------------------	--------

Shields sold (News)	Sept 47
---------------------------	---------

Slurry in China (News)	Mar 32
------------------------------	--------

Spending for mines (News)	Jun 37
---------------------------------	--------

Sulfur from coal (News)	Apr 39
-------------------------------	--------

Talks with China (News)	Nov 33
-------------------------------	--------

Cleaning, see Preparation	
---------------------------	--

Closing, Reopening of mines	
-----------------------------	--

Amaz Coal plans to reopen Price River as Castle Gate (News)	Jun 33
---	--------

British closing (News)	May 35
------------------------------	--------

Cadeby closed (News)	Sept 47
----------------------------	---------

With careful planning, a mine closes economically and efficiently	Nov 42
---	--------

Closed early (News)	May 33
---------------------------	--------

Closed in Ky . . . and in W. Va. (News)	Jan 41
---	--------

Coking mine closed (News)	Sept 47
---------------------------------	---------

Colorado Westmoreland plans to reopen Orchard Valley (News)	Oct 30
---	--------

Fewer British mine closings (News)	Jun 37
--	--------

Fire forces Westmoreland's Orchard Valley mine to close (News)	Jul 27
--	--------

Gatiff to reopen underground mine (News)	Jun 32
--	--------

Hanna mine suspends production (News)	Jun 17
---	--------

Low demand for its coal closes Mentmore mines (News)	Sept 40
--	---------

Mine reopened (News)	Nov 31
----------------------------	--------

MSHA closes mine (News)	Mar 31
-------------------------------	--------

Surface mine idled (News)	Sept 45
---------------------------------	---------

'We couldn't make it' (News)	Feb 35
------------------------------------	--------

Coal, see also Anthracite; Coke and coking; Lignite; Production Statistics; Statistics, coal	
--	--

Cheap oil benefits coal on the short term, not the long (ES)	Mar 37
--	--------

Coal Age and coal, 75 years of interaction	Jun 127
--	---------

Cogenerators consider bituminous (News)	Apr 32
---	--------

Congress might repeal Fuel Use Act, which could hurt coal (WS)	Jun 9
--	-------

Death knell tolls for America's met coal industry (News)	Apr 19
--	--------

Defense Department wants to stop buying U.S. coal (News)	Jul 17
--	--------

Despite everything, 1986 looks better than it looks (ES)	Feb 41
--	--------

Devalued dollar raises hopes for improved exports (ES)	Nov 37
--	--------

Forecast for 1986: increasing consumption and production (ES)	Jan 47
---	--------

Gas-fired cogeneration has choked off coal growth (News)	Jan 15
--	--------

Industrial sector brightens the coal outlook (ES)	Aug 35
---	--------

Industry urges increased funding of clean coal research (WS)	Oct 9
--	-------

Is big loser in President Reagan's 1987 budget (News)	Mar 14
---	--------

Low oil prices and high over-capacity pressure coal (ES)	Apr 43
--	--------

Low oil prices will not tarnish coal's image (News)	Mar 13
---	--------

NCA presents slightly more optimistic mid-year forecast (News)	Aug 17
--	--------

Nuclear invasion hinders coal's growth (ES)	Sept 51
---	---------

On the air (News)	Sept 45
-------------------------	---------

Outlook at midyear: modest improvements (ES)	Jun 39
--	--------

Pennsylvania works to aid its coal's competitiveness (News)	Mar 22
---	--------

Price pressures reshape the distribution system (ES)	May 38
--	--------

Process could keep American coal in American steel (News)	Nov 28
---	--------

Reorganization faces challenges from environmentalists and industry (ES)	Feb 9
--	-------

Senate might give coal break on tax reform (WS)	Mar 9
---	-------

South's heat wave offers no hope to the coal industry (News)	Sept 17
--	---------

Steam coal for steel (News)	Aug 32
-----------------------------------	--------

Study says blending could aid Oklahoma coal industry (News)	Jan 36
---	--------

Supreme Court prepares for coal challenge to subsidence (WS)	Nov 9
--	-------

Survival Rx: higher productivity and lower costs (ES)	Jul 36
---	--------

Utilities are in good shape to deal with acid rain rulings (ES)	Oct 39
---	--------

Value of coal reserves has fallen sharply in '80s (News)	Feb 15
--	--------

Will prevail over nuclear to 2000 (News)	May 11
--	--------

"Coal Age" and coal, 75 years of interaction	Jun 127
--	---------

Letters to the editor	Apr 33
-----------------------------	--------

Letters to the editor	Oct 56
-----------------------------	--------

1986 Buyers Guide	Sept 115
-------------------------	----------

Coal conversion, see Gasification; Liquefaction; Research; Synthetic fuels	
--	--

Coal Employment Project (CEP) Works to help women miners (News)	Aug 13
---	--------

Coal history	
--------------	--

Advanced coal cleaning processes sought for superclean coal	Jun 95
---	--------

Celebrating more than 75 years in the coal industry	Jun 52
---	--------

Coal Age and coal, 75 years of interaction	Jun 127
--	---------

It takes fewer men to make cleaner coal	Jun 85
---	--------

Laws increase constraints	Jun 125
---------------------------------	---------

Modern deep mining: revolutionary, evolutionary	Jun 59
---	--------

New coal-burning systems are on the threshold	Jun 105
---	---------

1911-1986: coal's rise and fall and rise	Jun 47
--	--------

Surface mining of coal . . . growth through evolution	Jun 69
---	--------

UMW consolidates its hold	Jun 117
---------------------------------	---------

Coal inventory, see Reserves

Coal leasing

Diligence deadline nears as Congress fails to enact new Section 3 law (WS)	Nov 9
--	-------

Improved leasing program will not improve markets (News)	Jun 26
--	--------

Section 3 legislation appears far from settled (WS)	Oct 9
---	-------

Section 3 would bar some producers from more federal leases (WS)	Apr 9
--	-------

Coal-oil mix (COM)

Coal-oil turned off (News)	Jul 33
----------------------------------	--------

Court supports coal-oil research role (News)	Jul 21
--	--------

Coal usage, (conversion to)

Cheaper oil delays plant conversion (News)	Jan 36
--	--------

Chinese conversion (News)	Oct 35
---------------------------------	--------

FBC could ignite coal-burning revolution (News)	Feb 11
---	--------

Georgia Power shelves plans for 11 coal-fired plants (News)	Jan 17
---	--------

Israel contemplates using less coal (News)	Sept 38
--	---------

Low oil prices could cut Israeli coal use, director says (News)	May 19
---	--------

In Puerto Rico, (News)	May 35
------------------------------	--------

Swiss reject coal (News)	Jan 43
--------------------------------	--------

Using oil and coal (News)	May 33
---------------------------------	--------

Coal-water fuels

Await large commercial tryout (News)	Mar 17
--	--------

Israeli coal mixtures (News)	Feb 37
------------------------------------	--------

Cogeneration

Boiler projects (News)	Sept 45
------------------------------	---------

Cogenerators consider bituminous (News)	Apr 32
---	--------

Cogentrix turns to coal for cogeneration projects (News)	Nov 22
--	--------

Gas-fired cogeneration has choked off coal growth (News)	Jan 15
--	--------

Might aid coal sales in East (News)	Feb 17
---	--------

In question (News)	Apr 37
--------------------------	--------

Coke and coking

African coke ovens (News)	Jul 33
---------------------------------	--------

British coking coal (News)	Feb 37
----------------------------------	--------

Coking mine closed (News)	Sept 47
---------------------------------	---------

Death knell tolls for America's met coal industry (News)	Apr 19
--	--------

National Mines Corp. takes its coal to non-met markets (News)	Apr 27
---	--------

Power plants burn low-volatile metallurgical coal in test (News)	Oct 29
--	--------

Venezuelan met (News)	Oct 35
-----------------------------	--------

Colombia

bound for the U.S.A. (News)	May 35
-----------------------------------	--------

Cerrejon prep plant (News)	May 35
----------------------------------	--------

Coal for Korea (News)	Nov 33
-----------------------------	--------

Coal for steel (News)	Oct 35
-----------------------------	--------

Coal picture continues bright (News)	Dec
--	-----

Spoil-side dip-line stripping works well with cast blasting Aug 40

Communications
Telephone cables woven into rope help rescuers communicate (DitW) Jan 77

Computer Scene
Jan 79; Mar 73; May 67; Jul 63; Sep 105; Nov 67

Computerized applications
Automatic truck dispatching study in Europe finds it pays May 48
Better operator compartments by computer Feb 65

Computer selects optimum entry centers Jan 70
Computer software helps operators predict dust generation of machines (CS) Mar 73
Computer speeds control of maintenance (CS) Jan 79

Face boss' super assistant Feb 62
Monitoring hoist safety equipment Jan 66
New technology boosts production and lowers costs (News) Jul 24
OSM plans to use computers to catch 2-acre violators (News) Jun 16
Power of personal computers grow in surface mining Jul 40
Radio waves detect anomalies Feb 75
Scheduling and controlling projects (CS) Jul 63
Sensing the divide between coal and rock Feb 64

Software you can buy for surface mining operations Jul 43
Tool-kit approach produces handy surface-mining software Sep 68
Trace-particle technique improves diagnostics in coal preparation (DitW) Apr 89
Tracking mine inspections with ease (CS) Nov 67
Use graphics software to expand your PC's capabilities (CS) Sep 105
The world of steam coal at your finger tips (CS) May 67

Construction, see also planning
Cleancoal construction (News) Jul 30
South African mine construction (News) May 35

Continuous mining, see Deep mining
Contracts, see Labor; Machinery; Sales
Conventional mining, see Deep mining
Conventions
Coal miners meet in the Steel City Apr 65
International Mining Show, AMC Sep 73

Conveyors, see also Machinery
Follows a snake for cornering Feb 63
Installing belt conveyor scales (OI) Oct 69

Court actions, see also Laws and Legislation; Regulations
Court supports coal-oil research role (News) Jul 21
Court supports company position (News) Jan 21
Employment-at-will? Don't fire at will! Do's and don'ts to stay out of court Mar 62
Prospecting for profit (News) Nov 31
Suit filed (News) Feb 35
Supreme Court prepares for coal challenge to subsidence (WS) Nov 9

Crime
Award upheld (News) Jan 41
Convicted (News) Mar 31
Guilty (News) Jun 35
Ordered to work (News) Jul 30

Cyclones, see Preparation

Deep mining, see also Machinery
Center ranks underground producers' safety records (News) Oct 15
Chinese engineers claim better water-resistant grouting (DitW) Apr 89
Computer selects optimum entry centers Jan 70
Correction to longwall census (News) Sep 40
Cut longwall ignitions by lowering methane concentrations at shearers Aug 66
Geologic mapping can boost productivity, safety underground Apr 54
Keeping tabs on roof pressure changes in underground coal mines (OI) Jun 132
Laser images may be key to safer underground mines (DitW) Apr 89
Longwall census shows decline in face operations Aug 47
Longwall output continues to rise Aug 58
With low development costs, a small underground mine can pay Sep 62
Modern deep mining; revolutionary, evolutionary Jun 59

Radio waves detect anomalies Feb 75
Record longwalling (News) Jul 30
Sprayfan ventilates face better than conventional systems (DitW) Mar 71
Steel arches taking hold underground (OI) Jan 74

Stopping squeezes but doesn't break (OI) Feb 83

Underground mine monitoring systems Dec Demand
Low demand for its coal closes Mentmore mine (News) Sep 40

Department of Energy (DOE)
Prepares for clean coal applications (News) Apr 28
To evaluate clean coal recommendations (WS) Feb 9

Department of Interior (DOI)
Environmentalists plan to sue Interior once again (WS) May 9
Wants to promote reining of surface sites (WS) Sep 9

Deposits, see Reserves
Developments to Watch
Jan 77, Feb 85, Mar 71, Apr 89, May 69, Jun 149, Jul 65, Aug 71, Sep 112, Oct 73, Dec

Dewatering
Improved flocculation method dewateres coal/clay waste material (DitW) May 69
Super-polymer solidifies coal-clay waste for disposal Oct 58

Disasters, see also Accidents; Safety
Emery swings back into action May 42
Wilberg bodies recovered (News) Jan 37
Wilberg searched for cause of 1984 fire (News) Oct 25

Drainage, see Acid mine drainage
Drilling, see also Deep mining; Machinery; Roof support; Surface mining
Bolt faster, cut bit costs in hard roof Jul 54

Dryers, see Preparation
Dust
Computer software helps operators predict dust generation of machines (CS) Mar 73
Mini-cyclones control float dust (OI) Sep 101
Weeks cites dust and noise as major hazards in mines (News) May 17

Ecology, see Acid mine drainage; Environment; Reclamation
Economic Scene
Jan 47; Feb 41; Mar 37; Apr 43; May 38; Jun 39; Jul 36; Aug 35; Sep 51; Oct 39; Nov 37; Dec

Economics, see also Coal; Taxes
Amex counts on 1985 cuts to aid 1986 performance (News) Apr 31
Appalachia: things have to get better Feb 48
Australian operations unprofitable (News) Apr 39
Basic changes underlie recent acquisitions (News) Nov 11
British Coal reports better performances (News) Jun 13

With careful planning, a mine closes economically and efficiently Nov 42
Cheap oil benefits coal on the short term, not the long (ES) Mar 37
Cheaper process cleans smokestack gas, may reduce acid rain (DitW) Oct 73
Congress seeks to boost exports, bans loans for foreign projects (WS) Nov 9
Despite everything, 1986 looks better than it looks (ES) Feb 41
Devalued dollar raises hopes for improved exports (ES) Nov 37
Eastern coal profits up, western fortunes flounder (News) Dec

Engineers earn more (News) Sep 45
Florida finds hauling coal from East Coast economical (News) Jul 20
Forecast for 1986: increasing consumption and production (ES) Jan 47
Geologic mapping can boost productivity, safety underground Apr 54
Industrial sector brightens the coal outlook (ES) Aug 35

Land Board won't increase royalty (News) Jul 17
With low development costs, a small underground mine can pay Sep 62
Low oil prices and high over-capacity pressure coal (ES) Apr 43
Maintenance is cheapest way to improve fine coal dewatering Jan 54
Midwest: new life for spot market Feb 51
Mine productivity improvements will cut jobs in Appalachia (News) Feb 19
New nuke units represent 7.5 million tpy of coal capacity (News) Dec
New technology boosts production and lowers costs (News) Jul 24
Nuclear invasion hinders coal's growth (ES) Sep 51

Outlook at midyear: modest improvements (ES) Jun 39

Outlook 1986: over-capacity depresses prices
Feb 46

Perpendicular stripping pays in hilly northern Appalachia Nov 48
Philippine price resistance (News) Apr 39
Pittston improves performance with new machinery (News) Jun 13
Pneumatic stowage becomes affordable Mar 52
Price pressures reshape the distribution system (ES) May 38
Rail savings (News) Mar 31
To sell more coal, help sell more electricity Apr 76

Study predicts low mining costs in Martin Co. for 20 years (News) Dec
Surface mining costs decline in the Midwest (News) May 10
Survival Rx: higher productivity and lower costs (ES) Jul 36
Top producers had a bad 1985 (News) Apr 11
Utilities are in good shape to deal with acid rain rulings (ES) Oct 39
Utility finds it's cheaper to burn whole trees than coal (News) Oct 22
Value of coal reserves has fallen sharply in '80s (News) Feb 15
Virginia county refuses to cut coal tax to help companies (News) Jan 31
The West: production rises, but prices die Feb 53

Electricity, see Power supply
Energy (all fuels), see also Utilities
Aid to big customers (News) Feb 37
Nerco positions itself as energy services company (News) Jan 17

Energy Information Administration (EIA)
Finds production off only slightly from 1984's record (News) Mar 18

England, see Great Britain
Environment, see also Acid mine drainage; Reclamation
Big Horn wants to change (News) Nov 23
Burning oil is more destructive than burning coal (DitW) Jun 149
Charge: OSM doesn't do its job (News) Aug 19
Coal companies will pay into Superfund for the first time (News) Nov 19
Colorado considers cave-in insurance (News) Jul 26

Environmentalists to sue Interior (WS) May 9
Handling and disposing lubricants (OI) Nov 63
Hauling allowed (News) Jan 41
If 4-in. turtle is endangered, so is Alabama's coal industry (News) Oct 17
In the forest (News) Jul 30
Incentive (News) Jun 35
Laws increase constraints Jun 125
Need tall stacks (News) Jun 35
NOx reductions (News) Jan 43
Operators argue that subsidence law is too restrictive (News) May 18
OSM gives okay to mining Red Rim (News) Jan 33

OSM tightens restrictions on mining near historic sites (News) May 30
Pollution control (News) Aug 31
Red Rim agreement (News) Apr 37
Reorganization faces challenges (WS) Feb 9
Rockefeller wants to trade for Powder River reserves (News) Jul 26
School district sues Consol (News) Sep 43
State control (News) Oct 33
Sunbelt conflict ends with land swap (News) Mar 18

Supreme Court prepares for coal challenge to subsidence (WS) Nov 9
Surfactants can control acid mine drainage (OI) Jul 61

Texas Utilities buys town to resolve complaints (News) May 28
Time of subsidence over room-and-pillar mines predicted (DitW) Jun 149
Water supply (News) Jul 30

Equipment News
Jan 94; Feb 103; Mar 83; Apr 99; May 83; Jun 169; Jul 76; Aug 92; Sep 193; Oct 91; Nov 81; Dec

Expansions, see also Acquisitions; Mergers; Planning; Sales
China plans to expand mines to increase coal production (News) Sep 34
Consol to expand into new markets (News) Oct 17

Survey shows new mine projects remain few Nov 54
Texas Utilities cuts back plans (News) Apr 23

Exploration
Northern Ireland exploration (News) Feb 37

Seismology may cut cost of finding and analyzing coal (DIW)	Aug 71
Exports, Imports	
Australian prospects down (News)	Jan 43
Brokers offer coal freight futures (News)	Apr 27
Canadian exports (News)	Apr 39
Canadian import (News)	Nov 31
Coal terminal is a supermarket offering 100 different blends	Nov 58
Coal to Italy (News)	Aug 32
Coalition opposes increasing power imports from Canada (News)	Nov 15
Colombia has had its share of problems at El Cerrejon (News)	Apr 35
Colombian coal for Far East (News)	Nov 33
Colombian coal picture brightens (News)	Dec 37
Colombian exports (News)	Sep 47
Colombian exports for U.S. (News)	May 35
Congress seeks to boost exports, bans loans for foreign projects (WS)	Nov 9
Devalued dollar raises hopes for improved exports (ES)	Nov 37
Expanding Chinese exports (News)	Sep 47
Finnish imports (News)	Nov 33
Great Britain rules out imports (News)	Jan 43
Great Britain to receive imports (News)	May 35
Hungary imports coal (News)	Jun 37
Indonesian power without imports (News)	Apr 39
Israel studies imports (News)	Jan 43
Low Polish levels (News)	May 35
Lower Polish expectations (News)	Jun 37
Mobile plans to deepen its channel to aid coal exporters (News)	Mar 25
NCA blasts railroad plan for fewer export coal rate restrictions (WS)	May 9
Pakistan using imported coal (News)	Jun 37
Philippine imports (News)	Jul 33
Philippines still depends on imports (News)	Apr 29
Poland exports at par (News)	Aug 32
Polish export cutback (News)	Nov 33
Polish exports (News)	Jul 33
Ports compete for the little export coal business there is (News)	May 12
State considers rules to hamper Colombian coal exports (News)	Mar 23
Study projects growth of steam coal exports to Europe (News)	Mar 16
Traders doubt effectiveness of New York coal export pier (News)	Feb 25
Venezuela plants move into world market	Dec 37
Virginia Power considers burning imported Colombian coal (News)	Feb 28
Fatalities, see Accidents; Disasters	
Federal government, see Government, federal	
Finance, see Economics	
Fire, see also Disasters	
Emery swings back into action	May 42
Forces Westmoreland's Orchard Valley mine to close (News)	Jul 27
Wilberg bodies recovered one year after disaster (News)	Jan 37
Wilberg searched for cause of 1984 fire (News)	Oct 25
Florida	
Alabama coal (News)	Nov 31
Bids (News)	Oct 33
Canadian import (News)	Nov 31
Finds hauling coal from East Coast economical (News)	Jul 20
On hold (News)	Jul 30
PSC questions coal-buying practices (News)	Oct 29
PSC to investigate coal-buying practices of utilities (News)	Apr 24
Sales agent reports impasse with city (News)	Jun 31
Tallahassee plans FBC plant (News)	Dec 37
Utilities shift from coal to cheaper oil (News)	Jul 18
Fluidized bed combustion	
Consultant reports more interest in FBC (News)	Jan 19
Could ignite coal-burning revolution (News)	Feb 11
Morgantown becoming fluidization center (DIW)	Aug 71
New coal-burning systems on threshold	Jun 105
Northeastern Pennsylvania looks to FBC's, culm banks for growth (DIW)	Jul 65
PFB turbocharged boiler cycle proposed	Jun 109
Tallahassee plans FBC plant (News)	Dec 37
U.S. money to Britain (News)	Oct 35
Forecasts	
Analysts foresee long-term, subtle impact from Chernobyl (News)	Jun 17

Appalachia: things have to get better	Feb 48
Cheap oil benefits coal in short term, not the long (ES)	Mar 37
Coal will prevail over nuclear to 2000 (News)	May 11
Midwest: new life for spot market	Feb 51
NCA foresees little production growth (News)	Jan 13
NCA predicts U.S. will mine 1.2 billion tons of coal in 2000 (News)	Apr 24
NCA presents slightly more optimistic mid-year forecast (News)	Aug 17
For 1986: increasing consumption and production (ES)	Jan 47
Outlook 1986: over-capacity depresses prices	Feb 46
Study projects growth of steam coal exports to Europe (News)	Mar 16
The West: production rises, but prices die	Feb 53
Wyoming coal could lose markets to foreign producers (News)	Jan 27
Gasification	
Britain's Coal Board tests underground gasification (News)	May 28
British research (News)	Aug 32
Coal to Auschwitz (News)	Feb 37
New coal-burning systems are on the threshold	Jun 105
Problems foreseen with underground coal gasification (DIW)	Oct 73
Researchers say eastern coal does not gasify easily (News)	Jun 27
Rotating kiln devours high-sulfur coal for gasification process (DIW)	Jan 77
Underground gasification of horizontal seams (News)	Nov 22
Georgia	
Georgia Power shelves plans for coal-fired plants (News)	Jan 17
Government, see also Bureau of Mines; Laws and legislation; Mine Safety and Health Administration; Regulations, names of specific agencies	
Federal	
AMC's new chief knows Washington's inner workings (News)	Feb 23
Coal is big loser in President Reagan's 1987 budget (News)	Mar 14
Coalpac supports candidates in four key Senate races (News)	Oct 13
Defense Department wants to stop buying U.S. coal (News)	Jul 17
Diligence deadline nears as Congress fails to enact new section 3 law (WS)	Nov 9
OTA reports progress in the West (News)	Aug 23
Paying Congressmen to tour mine sparks controversy (News)	Jul 18
Research corporation (News)	Jul 33
Section 3 legislation appears far from settled (WS)	Oct 9
Section 3 would bar some producers from more federal leases (WS)	Apr 9
State	
Buyers found (News)	Feb 35
Commissioner at last (News)	Mar 31
Government action (News)	Apr 37
New law suggests treating rail lines as highways (News)	May 15
Pennsylvania works to aid its coal's competitiveness (News)	Mar 22
State agencies scrutinize UP&L's bid for reserves (News)	Jan 19
State control (News)	Oct 33
Virginia to boost coal (News)	Jun 27
Great Britain	
Agreement ends (News)	Jan 43
Agreement ends (News)	Apr 39
Aid to big customers (News)	Feb 27
British Coal chairman displays new management style (News)	Nov 29
British Coal reports better performance (News)	Jun 13
Cadeby closed (News)	Sep 47
Cement threat (News)	Oct 35
Coal Board hails a coal revolution one year after the strike (News)	May 14
Coal Board tests underground gasification (News)	May 28
Coal conversion (News)	Jan 43
Coking coal (News)	Feb 37
Coking mine closed (News)	Sep 47
Expensive travel (News)	Sep 47
Fewer mine closings (News)	Jun 37

Gasification research (News)	Aug 32
Higher royalties (News)	Jun 37
Imports ruled out (News)	Jan 43
Labor relations are at all-time low (News)	May 14
Large mine (News)	Jan 43
MacGregor steps down as head of British Coal (News)	Sep 16
Mine closing (News)	May 35
New British miners union formed in break with NUM (News)	Jan 33
New jobs for miners (News)	Sep 47
NO _x reductions (News)	Jan 43
Nuclear power troubles British Coal (News)	Jul 13
Oil from coal (News)	May 35
Paid to leave (News)	May 35
To receive imports (News)	May 35
Scargill's woes (News)	Jun 37
Surface mining (News)	Mar 32
Technique hopes to improve dewatering of fine coal (DIW)	Jan 77
U.S. money to Britain (News)	Oct 35
Workshops closed (News)	Oct 35
Greece	
Cement threat (News)	Oct 35
Lignite find (News)	Nov 33
Haulage, see Conveyors; Pipelines; Railroad; Trucks and trucking; Water transport	
Health, see also Black lung disease; Safety	
Group develops program to treat drug abuse in mines (News)	Oct 12
Rocking the Congressional cradle (News)	Aug 27
Scientists identify health risk posed by static coal piles (News)	Mar 19
Study analyzes hand, finger injuries (News)	Nov 19
Hungary	
Deposits discovered (News)	Apr 39
Imports coal (News)	Jun 37
1985 output (News)	Feb 37
Shields sold (News)	Sep 47
Short of coal (News)	Aug 32
Hydraulics	
Novel techniques give dozers powerful capabilities	Mar 58
Illinois	
A bigger burn (News)	Aug 31
Giant BWE joins largest shovel	Sep 56
Incentive (News)	Jun 35
Jury says Illinois utility must accept Wyoming coal (News)	Jun 30
Old Ben fast-tracks a prep plant	Mar 49
Spot market comes back to the Midwest (News)	Jul 11
Three miners die in Illinois roof fall (News)	Aug 25
Imports, see Exports	
India	
More mining (News)	Sep 47
Indiana	
Companies find reclamation bonds difficult to obtain (News)	Sep 31
With low development costs, a small underground mine can pay	Sep 62
Nipsco will pay \$181 million for cancelling coal contract (News)	Oct 31
Indiana (American)	
Companies protect their own turf (News)	Feb 33
First in 20 years (News)	Apr 37
Navajo agree to enforce regulations (News)	Mar 29
Navajo seek coal land in New Mexico (News)	Apr 32
OSM enters conflict between Hopi and Peabody Coal (News)	Jan 21
Shell won't mine (News)	Mar 31
Tribe plans to develop its coal reserve (News)	Jun 23
Indonesia	
Deposit measured (News)	Feb 37
Power without imports (News)	Apr 39
Injuries, see Accidents	
Interior Department, see Department of Interior	
International	
Action against South Africa could open coal market (WS)	Oct 9
World coal production increased (News)	Sep 19
Interstate Commerce Commission (ICC)	
Bagge says closing ICC won't help coal (WS)	Jan 9
Coal shippers proclaim ICC ruling a victory (News)	Nov 23
Commerce Commission head named (News)	Jan 33
Ruling could mean lower rates for coal shippers (WS)	Sep 9

Staggers Act remains unchanged, but ICC reconsiders rate formula (WS)	Apr 9
Ireland	
Exploration (News)	Feb 37
Lignite (News)	Aug 32
Israel	
Agreement ends (News)	Jan 43
Agreement ends (News)	Apr 39
Coal for phosphates (News)	Jan 37
Coal for technology (News)	Mar 32
Coal from East Europe (News)	Nov 33
Coal mixtures (News)	Feb 37
Coal-oil turned off (News)	Jul 33
Coal over nukes (News)	Jun 37
Contemplates using less coal (News)	Sep 38
Free market (News)	Jul 33
Imports studied (News)	Jan 43
Low oil prices could cut Israeli coal use (News)	May 19
More oil (News)	Jul 33
Pier recommended (News)	Feb 37
Poland to Israel (News)	Apr 39
Port expansion (News)	Jun 37
Prices cut (News)	Sep 47
Talks with China (News)	Nov 33
Venezuelan coal (News)	Apr 39
Italy	
Burning oil is more destructive than burning coal (DtW)	Jun 149
Coal to Italy (News)	Aug 32
Met contract (News)	May 33
Japan	
Gasification research (News)	Aug 32
Research cooperation (News)	Jul 33
Rockefeller blast (News)	Mar 31
Steam coal for steel (News)	Aug 32
Kentucky	
Follows trend of fewer but larger coal mines (News)	Jul 21
Mining prep plant refuse line for coal	Apr 80
U. of K. wins grant for X-ray program (News)	Jan 23
Kohle-Reduktion process could keep American coal in American steel (News)	Nov 28
Korea, see South Korea	
Labor, see also Management; United Mine Workers	
Abolish NLRB (News)	May 33
Back to work (News)	Apr 37
Beckley coal layoff (News)	Oct 33
British labor relations at all-time low (News)	May 14
British workshops closed (News)	Oct 35
CEP works to help women miners (News)	Aug 13
Crackdown (News)	Apr 37
85 recalled (News)	Feb 35
Employment-at-will? Don't fire at will! Do's and don'ts to stay out of court	Mar 62
Group develops program to treat drug abuse in mines (News)	Oct 12
Increased productivity (News)	Aug 13
Island Creek layoffs (News)	Aug 31
It takes fewer men to make cleaner coal	Jun 85
Kaiser rehires some, lays off others (News)	Jul 20
Laws increase constraints	Jun 125
Layoffs (News)	Jan 41
Layoffs (News)	Mar 31
Layoffs (News)	May 33
Less thunder (News)	Mar 31
Local victory (News)	Mar 31
Mine productivity improvements will cut jobs in Appalachia (News)	Feb 19
More layoffs (News)	Nov 31
Must rehire (News)	Jul 30
New British miners union formed in break with NUM (News)	Jan 33
New jobs for miners (News)	Sep 47
Paid to leave (News)	May 35
Rocking the Congressional cradle (News)	Aug 27
Rosebud layoff (News)	Jun 35
Scargill's woes (News)	Jun 37
Trade bills become priority issue for labor (WS)	Aug 9
UMW consolidates its hold	Jun 117
U.S. Steel cutbacks (News)	Sep 45
U.S. Steel layoffs (News)	Aug 31
Utah miners recalled (News)	Oct 33
Utah Power halts mining (News)	Jul 20
Women miners dig away at discrimination (News)	Aug 11
Workforce cut (News)	Feb 35
Workforce halved (News)	Sep 45
Laws and legislation, see also Court actions;	

Regulations

Acid rain bill in check, for now (WS)	Sep 9
Acid rain legislation threatens clean coal technology (WS)	Jul 9
Coal advisory group to address Surface Mining law (WS)	Jul 9
Congress might repeal Fuel Use Act (WS)	Jun 9
Controversial tax plan (WS)	Jan 9
Diligence deadline nears as Congress fails to enact Section 3 law (WS)	Nov 9
Dingell call for changes in Rail Act (WS)	Aug 9
Final tax reform legislation (WS)	Aug 9
Laws increase constraints	Jun 125
Operators argue that subsidence law is too restrictive (News)	May 18
Railroads say their tracks are not public highways (News)	Oct 31
Section 3 legislation appears far from settled (WS)	Oct 9
Section 3 would bar some producers from more federal leases (WS)	Apr 9
Subcommittee advocates laws to clarify Staggers Act (WS)	Jul 9
Tax bill kills ITC, retains depletion for coal (News)	Sep 11
Tax reform debate intensifies as Senate presents changes (WS)	Apr 9
Trade bills become priority issue for labor (WS)	Aug 9
Utilities are in good shape to deal with acid rain rulings (ES)	Oct 39
Western Energy fights surface mining law (News)	Nov 17
Legal, see Court actions	
Lignite	
Greek find (News)	Nov 33
Irish lignite (News)	Aug 32
Texas Utilities cuts back plans to expand lignite mining (News)	Apr 23
Liquefaction	
Soviet liquefaction (News)	Jan 43
Locomotives, see Railroads	
Longwall, see Deep mining; Machinery; Mining methods	
Machinery, see also Equipment News and individual items	
Accurate detonators in trials boost production, reduce shock	Apr 48
Better deep-soil loosening equipment pinpointed (DtW)	Jul 65
Bureau continues to pour out medley of machines and ideas	Feb 60
With dozers, bigger is better	Jul 56
Fairchild seeks new financing for its umbrella miner (News)	Nov 17
Giant BWE joins largest shovel	Sep 56
Giving brains to machines	Feb 61
High-pressure jets improve shearer operation	Feb 67
Improved backup alarms planned for mobile mining equipment (DtW)	Sep 112
Installing belt conveyor scales (OI)	Oct 69
Modern deep mining: revolutionary, evolutionary	Jun 59
Monitoring hoist safety equipment	Jan 66
New management gives TSM new lease on life (News)	Feb 17
Oil for coal machines (News)	Oct 35
Pittston improves performance with new machinery (News)	Jun 13
Planter speeds direct seeding of trees (OI)	Mar 69
Previewing the International Mining Show	Sep 73
Selecting the right-sized dozer (OI)	Apr 85
Six advanced machines hoping to go to work	Feb 68
UMW disputes safety of timbering in Wilcox miner sections (News)	Jul 25
Wilcox miners no longer exempt in West Virginia (News)	Sep 23
Maintenance	
Computer speeds control of maintenance (CS)	Jan 79
Is cheapest way to improve fine coal dewatering	Jan 54
Power of personal computers grows in surface mining	Jul 40
Management	
British Coal chairman displays new management style (News)	Nov 29
Dorchester mines might open under new management (News)	Apr 31
Employment-at-will? Don't fire at will! Do's and don'ts to stay out of court	Mar 62
New management gives TSM new lease on life (News)	Feb 17

Scheduling and controlling projects (CS)	Jul 63
UMW consolidates its hold	Jun 117
U.S. loss control management cuts production losses	Feb 72
Manufacturers	
Jan 102; Feb 110; Mar 94; May 90; Jun 184; Jul 82; Aug 98; Sep 206; Oct 97; Dec	
Marketing, see also Demand; Exports; Sales	
Consol acquires reserves to expand into new markets (News)	Oct 17
Consultant reports more interest in FBC (News)	Jan 19
Free market in Israel (News)	Jul 33
Improved leasing program will not improve markets (News)	Jun 26
International action against South Africa could open coal market (WS)	Oct 9
Midwest: new life for spot market	Feb 51
More Colombian markets (News)	Sep 47
National Mines takes coal to non-met markets (News)	Apr 27
Nerco positions itself as energy services company (News)	Jan 17
Price pressures reshape the distribution system (ES)	May 38
Spot market comes back to Midwest (News)	Jul 11
Venezuela to move into world markets (News)	Dec
Wisconsin becomes major market for low-sulfur coal (News)	May 22
World of steam coal at your finger tips (CS)	May 67
Wyoming coal could lose markets to foreign producers (News)	Jan 27
Maryland	
Deeper ports might attract more coal to Mobile, Baltimore (News)	Sep 18
Mergers, see Acquisitions; "Company Index"; Expansions; Sales	
Metalurgical coal, see Coke and coking	
Methane	
Cut longwall ignitions by lowering methane concentrations at shearers	Aug 66
Measuring methane quickly	Feb 62
Mine rescue techniques	
Telephone cables woven into rope help rescuers communicate (DtW)	Jan 77
Training speeds donning of self-rescuers in low coal (DtW)	Aug 71
Mine Safety and Health Administration (MSHA)	
Closes mine (News)	Mar 31
Administrator stresses coal operator's safety role (News)	Nov 27
Operator fined (News)	Aug 31
UMW focus on safety problems at small mines (News)	Jul 14
Mining bits, see Drilling	
Mining methods, see Deep mining; Surface Mining	
Montana	
Companies protect their own turf (News)	Feb 33
Keeps its coal tax at 30% (News)	Sep 15
Tax cut gets contract (News)	Oct 33
Tribe plans to develop coal reserve (News)	Jun 23
National Coal Association (NCA)	
Blasts railroad plea for fewer export coal rate restrictions (WS)	May 9
Coalpac supports candidates in four key Senate races (News)	Oct 13
Don't split on acid rain, Byrd warns (News)	Sep 26
Foresees little coal production growth for this year (News)	Jan 13
Predicts U.S. will mine 1.2 billion tons of coal in 2000 (News)	Apr 24
Presents slightly more optimistic mid-year forecast (News)	Aug 17
National Coal Council	
Coal advisory group to address Surface Mining law (WS)	Jul 9
Will lobby for 'coal by wire' (News)	Jun 11
Natural gas	
Gas-fired cogeneration has choked off coal growth (News)	Jan 15
Nevada	
Black Butte will supply Nevada plants (News)	Sep 13
New Mexico	
Land swap delayed until this summer (News)	Mar 27
Navajo seek coal land in New Mexico (News)	Apr 32
Sunbelt environmental conflict ends with land swap (News)	Mar 18

New York	
traders doubt effectiveness of New York coal export pier (News)	Feb 25
Nigeria	
Oil for coal machines (News)	Oct 35
North Carolina	
Hope for coal mining revival (News)	Dec
New power plant (News)	Aug 31
Panel wants coal-fired plants for N.C. (News)	Jul 13
Nuclear power	
Analysts foresee long-term, subtle impact from Chernobyl (News)	Jun 17
Coal over nukes (News)	Jun 37
Coal power could cost less than nuclear until the 1990s (News)	Jan 13
Coal will prevail over nuclear to 2000 (News)	May 11
New nuke units represent 7.5 million tpy of coal capacity (News)	Dec
Nuclear invasion hinders coal's growth (ES)	Sep 51
Nukes shelved (News)	Apr 39
Troubles British Coal (News)	Jul 13
TVA buys more coal following its nuclear troubles (News)	Aug 17
Office of Surface Mining (OSM)	
Best compliance (News)	Feb 35
Charge: OSM doesn't do its job (News)	Aug 19
Christensen confirmed as OSM head following lengthy delay (WS)	Jun 9
Enters conflict between Hopi and Peabody Coal Co. (News)	Jan 21
Gives okay to mining Red Rim (News)	Jan 33
How to take advantage of the new OSM blasting regulations	Mar 42
Plans to use computers to catch 2-acre violators (News)	Jun 16
Reorganization faces challenge (WS)	Feb 9
Tightens restrictions on mining near historic sites (News)	May 30
Ohio	
More coal (News)	Sep 45
School's out (News)	May 33
Oil and oil shale	
Ashland might sell its coal properties to fight takeovers (News)	May 31
Burning oil is more destructive than burning coal (DTW)	Jun 149
Cheap oil benefits coal on the short term, not the long (ES)	Mar 37
Cheaper oil delays plant conversion (News)	Jan 36
Florida utilities shift from coal to cheaper oil (News)	Jul 18
From coal (News)	May 35
Low oil prices and high over-capacity pressure coal (ES)	Apr 43
Low oil prices could cut Israeli coal use (News)	May 19
Low oil prices will not tarnish coal's image (News)	Mar 13
More oil in Israel (News)	Jul 33
New coal slurry mixture might flow through oil pipelines (News)	Sep 30
Oil for coal machines (News)	Oct 35
Scottish hesitation (News)	Oct 35
Using oil and coal (News)	May 33
Oklahoma	
Coal buys (News)	Feb 35
Oklahoma's gain, Wyoming's loss (News)	Jun 33
Primary regained (News)	Jan 41
Study says blending could aid Oklahoma coal industry (News)	Jan 36
Open pit mines, see Surface mining	
Operations, see "Company Index"; Deep mining; Surface mining	
Oregon	
Portland puts its uncompleted coal terminal on the block (News)	May 25
OSM, see Office of Surface Mining	
Pakistan	
Reserves (News)	Oct 35
Using imported coal (News)	Jun 37
Pennsylvania	
Bituminous instead (News)	Jan 41
Coal companies dry out from November floods (News)	Jan 37
Coal miners meet in the Steel City	Apr 65
Five die in accidents at anthracite mines (News)	Jan 19
Low-vol steam (News)	Jun 35
Northeastern Pennsylvania looks to FBC's, culm banks for growth (DTW)	Jul 65
Other Pennsylvania operators cry: R&P thrives (News)	May 13

Perpendicular stripping pays in northern Appalachia	Nov 48
Works to aid its coal's competitiveness (News)	Mar 22
People	
Jan 85; Feb 91; Mar 80; Apr 110; May 71; Jun 181; Jul 59; Aug 72; Sep 114; Oct 75; Nov 79; Dec	
Peru	
Anthracite contract (News)	Aug 32
Philippines	
Imports (News)	Jul 33
Price resistance (News)	Apr 39
Still depends on imports (News)	Apr 29
Pipelines, see also Haulage	
Coal slurry moves in South Korea (News)	Jun 30
New coal slurry mixture might flow through oil pipelines (News)	Sep 30
Slurry in China (News)	Mar 32
Soviets choose coal slurry over mine-mouth plants (News)	May 24
Planning, see also Construction	
Amex coal plans to reopen Price River as Castle Gate (News)	Jun 33
Brazil plans to develop 22-billion-ton reserve (News)	Jan 39
With careful planning, a mine closes economically and efficiently	Nov 42
China must spend \$43.5 billion to achieve its coal plans (News)	Apr 29
China plans to expand mines to increase coal production (News)	Sep 34
Colorado Westmoreland plans to reopen Orchard Valley (News)	Oct 30
Diamond Shamrock plans Alaskan coal mine project (News)	Jan 39
Georgia Power shelves plans for 11 coal-fired plants (News)	Jan 17
Mobile plans to deepen its channel to aid coal exporters (News)	Mar 25
Power of personal computers grow in surface mining	Jul 40
Texas Utilities cuts back plans to expand lignite mining (News)	Apr 23
Pneumatics	
Pneumatic mine seals	Mar 52
Pneumatic stowage becomes affordable	Mar 52
Stowing waste underground	Mar 55
Poland	
Coal from East Europe (News)	Nov 33
Coal to Auschwitz (News)	Feb 37
Export cutback (News)	Nov 33
Export (News)	Jul 33
Exports at par (News)	Apr 39
To Israel (News)	Apr 39
Low export levels (News)	May 35
Lower expectations (News)	Jun 37
Oil for coal machines (News)	Oct 35
Production up (News)	Feb 37
Trade pact (News)	Jan 43
Pollution, see Acid mine drainage; Environment	
Power plants, see Utilities	
Preparation, see also Machinery	
Advanced coal cleaning processes sought for superclean coal	Jun 95
Boston coal refining process will be tested in Vancouver (News)	Jun 23
British technique hopes to improve dewatering of fine coal (DTW)	Jan 77
Cell creates microbubbles to latch on to finer coal	Aug 62
Correjon prep plant (News)	May 35
Coal drying power (News)	May 33
Clean coal (News)	Jul 30
Density tracers give option to float-sink tests	May 60
Improved flocculation method dewateres coal/clay waste material (DTW)	May 69
Improved silo design solves coal discharge problems	Jan 57
It takes fewer men to make cleaner coal	Jun 85
Maintenance is cheapest way to improve fine coal dewatering	Jan 54
Microwaves dry fine coal	Dec
Mini-cyclones control float dust (Oil)	Sep 101
Mining prep plant refuse line for coal	Apr 80
Mobil aims to enhance western coals with new drying process	Feb 80
Old Ben fast-tracks a prep plant	Mar 49
Shattering coal (News)	Feb 35
Speedy method pinpoints best densities for separating coal	May 55
Stemming the magnetite flood	Jul 50
Super-polymer solidifies coal-clay waste for disposal	Oct 58
Survey shows new mine projects remain few in number	Nov 54
Three new approaches to problem of dewatering fine coal	Jan 52

Trace-particle technique improves diagnostics in coal preparation (DTW)	Apr 85
Pricing, see Economics	
Production	
Accurate detonators in trials boost production, reduce shock	Apr 48
Canadian coal (News)	Aug 32
China plans to expand mines to increase coal production (News)	Sep 34
China target (News)	Jul 33
Chinese production (News)	Jun 37
EIA finds production off only slightly from 1984's record (News)	Mar 18
Forecast for 1986: increasing consumption and production (ES)	Jan 47
Higher capacity (News)	Apr 39
Hungary short of coal (News)	Aug 32
Hungary's 1985 output (News)	Feb 37
Longwall output continues to rise	Aug 58
Low Mexican production (News)	Apr 39
Low oil prices and high over-capacity pressure coal (ES)	Apr 43
More Indian mining (News)	Sep 47
NCA foresees little coal production growth for this year (News)	Jan 13
NCA predicts U.S. will mine 1.2 billion tons of coal in 2000 (News)	Apr 24
NCR hails a coal revolution one year after the strike (News)	May 14
New technology boosts production and lowers costs (News)	Jul 24
Outlook 1986: over-capacity depresses prices	Feb 46
Polish production up (News)	Feb 37
Suspended (News)	May 33
Top producers had a bad 1985 (News)	Apr 11
U.S. loss control management cuts production losses	Feb 72
The West: production rises, but prices die	Feb 53
World coal production increased by 4.2%, to 3.1 billion mt (News)	Sep 19
Production Statistics	
Jan 49; Feb 43; Mar 39; Apr 45; May 39; Jun 41; Jul 37; Aug 37; Sep 53; Oct 41; Nov 39; Dec	
Productivity, see Economics; Labor	
Puerto Rico	
Coal conversion (News)	May 35
Railroads, see also Haulage	
Bagge says closing ICC won't help coal (WS)	Jan 9
Barging program yields lower rail rates for Virginia Power (News)	Nov 13
CANW scraps plans to extend Powder River rail link (News)	May 29
Coal shippers proclaim ICC ruling a victory (News)	Nov 23
Conrail sale passes one hurdle, moves on to next (WS)	Mar 9
CSX writes off some coal holdings (News)	Jan 15
Dingell call for changes in Staggers Rail Act (WS)	Aug 9
House Energy Committee approves public sale of Conrail (News)	Oct 22
House leader stalls Conrail sale—maybe permanently (WS)	Jun 9
ICC ruling could mean lower rates for coal shippers (WS)	Sep 9
Land swap delayed until this summer (News)	Mar 27
NCA blasts railroad plea for fewer export coal rate restrictions (WS)	May 9
New law suggests treating rail lines as highways (News)	May 15
NS remains unlikely to pursue Conrail (News)	Jan 31
Rail savings (News)	Mar 31
Say their tracks are not public highways (News)	Oct 31
Santa Fe asks ICC to reconsider merger (News)	Dec
Staggers Act remains unchanged, but ICC reconsiders rate formula (WS)	Apr 9
Stopped coal (News)	Jan 41
Study says railroads charge high rates for western coal (News)	May 15
Subcommittee advocates laws to clarify Staggers Act (WS)	Jul 9
Subcommittee looks into modifying Staggers Act without ICC (WS)	Feb 9
Two railroads fight repayment in coal overcharge case (News)	Jun 32
Utilities balk at rate increase (News)	Feb 33
Virginia producers fight rate hike (News)	Mar 29
VP tries to avoid rail rates (News)	Jan 23
Reclamation, see also Environment	
Awards (News)	Sep 45

Better deep-soil loosening equipment pinpointed by researchers (DtW)	Jul 65
Big Horn wants to change (News)	Nov 23
Christensen confirmed as OSM head (WS)	Jun 9
Companies find reclamation bonds difficult to obtain (News)	Sep 31
Eastern wins suit (News)	May 33
Layoffs (News)	Jan 41
Locating open shafts (News)	Feb 35
OTA reports progress in the West (News)	Aug 23
Planter speeds direct seeding of trees (OI)	Mar 69
Primacy regained (News)	Jan 41
Prominent companies have abused the 2-acre exemption (News)	Aug 15
Tennessee needs money to clean up abandoned mines (News)	Mar 26
Refuse disposal	
Anthracite refuse passes tests as fuel for heating (DtW)	Mar 71
Improved flocculation method dewateres coal/clay waste material (DtW)	May 69
Mining prep plant refuse line for coal	Apr 80
Pneumatic stowage becomes affordable	Mar 52
Stowing waste underground	Mar 55
Super-polymer solidifies coal/clay waste for disposal	Oct 58
Regulations, see also Court actions; Laws and legislation	
Companies barred from mining deserve compensation (News)	Mar 27
Deregulator is named Commerce Commission head (News)	Jan 33
How to take advantage of the new OSM blasting regulations	Apr 42
Laws increase restraints	Jun 125
Navajo agree to enforce regulations at mines on its reservation (News)	Mar 29
OSM plans to use computers to catch 2-acre violators (News)	Jun 16
Rail deregulation debate continues (WS)	Mar 9
Research	
Advanced coal cleaning processes sought for superclean coal	Jun 95
Better deep-soil loosening equipment pinpointed by researchers (DtW)	Jul 65
Boston coal refining process will be tested in Vancouver (News)	Jun 23
Bureau continues to pour out useful medley of machines and ideas	Feb 60
Call for acid rain cut will boost spending on clean coal technologies (WS)	Jan 9
Clean-coal technology urged to end acid rain dispute (News)	Feb 33
Court supports coal-oil research role (News)	Jul 21
Density tracers give option to float-sink tests	May 60
DOE prepares for onslaught of clean coal applications (News)	Apr 26
DOE prepares to evaluate clean coal technology recommendations (WS)	Feb 3
Eastern coal outlook depends on clean coal funding (News)	Jan 15
EPRI designs next generation of coal-fired power plants (News)	Mar 22
Gasification research (News)	Aug 32
Industry urges increased funding of clean coal research (WS)	Oct 9
Low-vol steam (News)	Jun 35
New coal-burning systems are on the threshold	Jun 105
Power plants burn low-volatile metallurgical coal in test (News)	Oct 29
Predicting when cutter roof failure may occur (DtW)	Feb 85
Problems foreseen with underground bituminous coal gasification (DtW)	Oct 73
Process approved (News)	Jan 41
Research cooperation (News)	Jul 33
Researchers say eastern coal does not gasify easily (News)	Jun 27
Shattering coal (News)	Feb 35
Sorting shale from coal . . . a new line of research proves promising (DtW)	Sep 112
Three new approaches to problems of dewatering fine coal	Jan 52
Reserves	
Aerial success (News)	Jan 43
Brazil mining (News)	Mar 32
Brazil plans to develop 22-billion-ton reserve (News)	Jan 39
Coal reserves bought (News)	Aug 31
Consol acquires reserves to expand into new markets (News)	Oct 17
Deposit measured (News)	Feb 37
Hungarian deposits discovered (News)	Apr 39
North American reserves sold (News)	Jun 35

Pakistan reserves (News)	Oct 35
Rockefeller wants to trade for Powder River coal reserves (News)	Jul 26
State agencies scrutinize UP&L's bid for coal reserves (News)	Jan 19
Value of coal reserves has fallen sharply in '80s (News)	Feb 15
Romania	
Island Creek fears it might lose coal sales to Romania (News)	Aug 19
Roof support	
Austrian mobile roof support successful in South African mine trials (DtW)	Jun 149
Bolt faster, cut bit costs in hard roof	Jul 54
Electronic ear helps miners detect weak roof (DtW)	May 69
Full bolting required (News)	Oct 33
Keeping tabs on roof pressure changes in underground coal mines (OI)	Jun 132
Mobile roof supports make pillar extraction easier (OI)	May 65
Predicting when cutter roof failure may occur (DtW)	Feb 85
Steel arches taking hold underground (OI)	Jan 74
Three miners die in Illinois roof fall (News)	Aug 25
UMW disputes safety of timbering in Wilcox miner sections (News)	Jul 25
Russia, see USSR	
Safety, see also Accidents; Disasters; Health; Mine rescue techniques	
Center ranks underground producers' safety records (News)	Oct 15
Coal mine fatality rate dropped in first nine months, 1985 (News)	Jan 23
Court supports company position (News)	Jan 21
Electronic ear helps miners detect weak roof (DtW)	May 69
Fatalities, injuries up in first quarter (News)	Jul 15
Finer mines (News)	Aug 31
Geologic mapping can boost productivity, safety underground	Apr 54
Improved backup alarms planned for mobile mining equipment (DtW)	Sep 112
Improved blast designs can reduce rockfall hazards (OI)	Aug 68
Laser images may be key to safer underground mines (DtW)	Apr 89
Laws increase constraints	Jun 125
Letters to the editor	Oct 56
Mobile roof supports make pillar extraction easier (OI)	May 65
Monitoring hoist safety equipment	Jan 66
MSHA administrator stresses coal operator's safety role (News)	Nov 27
MSHA and UMW focus on safety problems at small mines (News)	Jul 14
Safe mines (News)	Jul 33
Safer coal piles (News)	Mar 32
67 died in coal mine accidents in 1985 (News)	Feb 15
UMW disputes safety of timbering in Wilcox miner sections (News)	Jul 25
Underground mine monitoring systems	Dec 72
U.S. loss control management cuts production losses	Feb 72
Weeks cites dust and noise as major hazards in mines (News)	May 17
Sales, see also Acquisitions; Expansions; Exports; Marketing	
Arch Mineral may buy Diamond Shamrock Coal for \$135 million (News)	Sep 21
Ashland might sell its coal business (News)	Oct 12
To Brazil (News)	Mar 32
Brazil buys Russian and Chinese coal (News)	Nov 27
China trade (News)	Nov 33
Chinese deal (News)	Nov 33
Cogeneration plants might aid coal sales in East (News)	Feb 17
Conrail sale passes one hurdle, moves on to next (WS)	Mar 9
Consolidation buys Sierra Coal (News)	Aug 23
Eastern coal business is for sale (News)	Apr 37
Electric Fuels buys coal company (News)	Apr 37
Executive plans to purchase Reading & Bates coal unit (News)	Apr 32
Gulf Power found imprudent in coal-buying activities (News)	May 23
House leader stalls Conrail sale (WS)	Jun 9
Imperial sale (News)	Mar 31
Island Creek fears it might lose coal sales to Romania (News)	Aug 19
Nerco renegotiates contract terms with four customers (News)	Jul 13
Nerco sells Alabama coal operations (News)	Feb 19
Oklahoma coal buys (News)	Feb 35

House Energy Committee approves public sale of Conrail (News)	Oct 22
Keystone sold (News)	Oct 33
Paramont signs contract, faces unionization move (News)	Oct 30
Plateau contract (News)	Nov 31
PSC questions coal-buying practices (News)	Oct 29
Quintana buys CSX coal properties (News)	Nov 19
Reserves sold (News)	Jun 35
South Korea agreement (News)	May 33
Spot bids awarded (News)	Feb 35
Spot orders (News)	Feb 35
Spot purchase might keep mine open (News)	Feb 28
Top producers had a bad 1985 (News)	Apr 11
TVA buys more coal following its nuclear troubles (News)	Aug 17
U.S. Steel faces difficulties developing outside coal sales (News)	Jul 19
U.S. Steel sells coal property to Kaiser (News)	Feb 13
Scotland	
Scottish hesitation (News)	Oct 35
Slurry pipelines, see Pipelines	
South Africa	
Austrian mobile roof support successful (DtW)	Jun 149
Demonstrators protest use of South African coal in U.S. (News)	Aug 27
International action against South Africa could open coal market (WS)	Oct 9
Mine construction (News)	May 35
New mine (News)	Jul 33
Prices cut (News)	Sep 47
Safer coal piles (News)	Mar 32
South Korea	
Anthracite contract (News)	Aug 32
Coal for Korea (News)	Nov 33
Coal slurry moves in South Korea (News)	Jun 30
Deposit measured (News)	Feb 37
Sales agreement (News)	May 33
Spain	
Automatic truck dispatching . . . study in Europe finds it pays	May 48
Soviets visit Spain (News)	May 35
State government, see Government, state	
Statistics, coal, see also Production Statistics	
Jan 47; Feb 41; Mar 37; Apr 43; May 38; Jun 39; Jul 36; Aug 35; Sep 51; Oct 39; Nov 37; Dec	
Strikes	
Back to work (News)	Apr 37
In Brazil (News)	Jul 33
Brazilian strike ends (News)	Mar 32
Massey strike ends (News)	Jan 11
NCB hails a coal revolution one year after the strike (News)	May 14
Strike is over, but conflict lingers for Massey and UMW (News)	Mar 15
UMW consolidates its hold	Jun 117
Strip mining, see Surface mining	
Surface mining, see also Machinery	
Better deep-soil loosening equipment pinpointed by researchers (DtW)	Jul 65
British surface mining (News)	Mar 32
Of coal . . . growth through evolution	Jun 69
Coal advisory group to address surface mining law (WS)	Jul 9
Costs decline in the Midwest (News)	May 10
Giant BWE joins largest shovel	Sep 56
Interior wants to promote reining of surface sites (WS)	Sep 9
Perpendicular stripping pays in northern Appalachia	Nov 48
Power of personal computers grows in surface mining	Jul 40
Prominent companies have abused the 2-acre exemption (News)	Aug 15
Smaller, versatile draglines, operating in tandem, reach deep seams efficiently	Dec
Software you can buy for surface mining operations	Jul 43
Spoil-side dip-line stripping works well with cast blasting	Aug 40
Tool-kit approach produces handy surface-mining software	Sep 68
Trying low-wall stripping and cast blasting, too	Oct 62
Western Energy fights seminal surface mining law (News)	Nov 17
Switzerland	
Rejects coal (News)	Jan 43
Synthetic fuels	
Coal conversion (News)	Jan 43
Process approved (News)	Jan 41
Synthetic Fuels Corporation (SFC)	

SFC's demise also paves way for clean coal technologies (WS)	Jan 9
Taxes, see also Economics	
Coal companies will pay into Superfund for first time (News)	Nov 19
Coal tax break (News)	May 33
Controversial tax reform plan passes House (WS)	Jan 9
CSX writes off some coal holdings (News)	Jan 15
Detroit Edison takes Decker to court (News)	May 29
Final tax reform legislation appears on its way (WS)	Aug 9
Massey can pay less (News)	Jan 41
Montana keeps coal tax at 30% (News)	Sept 15
New tax plan probably will fail to eliminate excise tax deductions (WS)	May 9
Senate might give coal break on tax reform (WS)	Mar 9
Tax bill kills ITC, retains depletion for coal (News)	Sept 11
Tax cut gets contract (News)	Oct 33
Tax drops (News)	Sept 45
Tax reform debate intensifies (WS)	Apr 9
Virginia county refuses to cut coal tax (News)	Jan 31

Tennessee	
Needs money to clean up abandoned mines (News)	Mar 26
Scrambles to reestablish primacy (News)	Dec
Tennessee Valley Authority (TVA)	
Buys more coal following its nuclear troubles (News)	Aug 17
Paid less for coal than did 11 other utilities in 1985 (News)	Jan 21
Stemming the magnetite flood	Jul 50
Texas	
Coal buyers might buy into mine to settle dispute (News)	Oct 28
Texas Utilities buys a town to resolve complaints (News)	May 28
Two railroads fight repayment in coal overcharge case (News)	Jun 32
Training	
Emery doesn't have to reimburse miners for training (News)	Mar 29
School's out (News)	May 33
Speeds donning of self-rescuers in low coal (DitW)	Aug 71
Women miners dig away at discrimination (News)	Aug 11
Transportation, see Haulage	
Trucks and trucking, see also Haulage	
Automatic truck dispatching . . . study in Europe finds it pays	May 48
TVA, see Tennessee Valley Authority	

UMW, see United Mine Workers	
Unions, see Labor; United Mine Workers	
United Kingdom, see Great Britain	
United Mine Workers (UMW)	
Abolish NLRB (News)	May 33
Back to work (News)	Apr 37
Coal Aid fails (News)	Oct 33
Company bars union representative on inspection (News)	Jun 23
Company must accept UMW union with mine it acquired (News)	Feb 19
Consol Award (News)	Nov 31
Consolidates its hold	Jun 117
Contract ratified (News)	Mar 31
Crackdown (News)	Apr 37
Disputes safety of timbering in Wilcox miner sections (News)	Jul 25
Girds for battle (News)	Dec
Grievance (News)	Jun 35
Higher dues, better investments improve UMW finances (News)	Jun 15
Internal union dispute centers on pension fund payments (News)	Jun 19
Massey strike ends (News)	Jan 11
MSHA and UMW focus on safety problems at small mines (News)	Jul 14
Pact (News)	Nov 31
Paramont signs contract, faces unionization move (News)	Oct 30
Ruling favors union in Massey dispute (News)	Apr 33
Strike is over, but conflict lingers for Massey and UMW (News)	Mar 15
Two-year-old contract dispute between UMW, Massey continues (News)	Oct 24
Union adopts an aggressive stance (News)	Oct 11
Urges boycott of Shell products (News)	Mar 25
Weeks cites dust and noise as major hazards in mines (News)	May 17
U.S. Bureau of Mines, see Bureau of Mines	

USSR	
Analysts foresee long-term, subtle impact from Chernobyl (News)	Jun 17
To Brazil (News)	Jul 33
Brazil buys Russian and Chinese coal (News)	Nov 27
New Soviet mine (News)	Feb 37
Soviet liquefaction (News)	Jan 43
Soviets choose coal slurry over mine-mount plants (News)	May 24
Soviets visit Spain (News)	May 35
Utah	
Emery swings back into action	May 42
Miners recalled (News)	Oct 33
Recovering costs (News)	Oct 33
UP&L assumes direct control of Emery mine operations (News)	Jun 16
UP&L halts its coal mining operations (News)	Jul 20
Utilities, see also Tennessee Valley Authority	
Are in good shape to deal with acid rain rulings (ES)	Oct 39
Balk at new rail rate increase (News)	Feb 33
Barging program yields lower rail rates for Virginia Power (News)	Nov 13
Black Butte will supply Nevada plants (News)	Sep 13
Building by year-end (News)	Mar 31
Cheaper oil delays plant conversion (News)	Jan 36
Chinese mine-mouth plants (News)	Jul 33
Coal Council will lobby for 'coal by wire' (News)	Jun 11
Coal power could cost less than nuclear until the 1990s (News)	Jan 13
Coalition opposes increasing power imports from Canada (News)	Nov 15
Complaint against Nerco seeks lower coal prices (News)	Sep 41
Congress might repeal Fuel Use Act, which could hurt coal (WS)	Jun 9
Demonstrators protest the use of South African coal in U.S. (News)	Aug 27
Detroit Edison takes Decker to court (News)	May 29
EPRI designs next generation of coal-fired power plants (News)	Mar 22
Finds it's cheaper to burn whole trees than coal (News)	Oct 22
Florida bids (News)	Oct 33
Florida PSC to investigate coal-buying practices of utilities (News)	Apr 24
Florida utilities shift from coal to cheaper oil (News)	Jul 18
Gas-fired cogeneration has choked off coal growth (News)	Jan 15
Georgia Power shelves plans for 11 coal-fired plants (News)	Jan 17
Gulf Power found imprudent in coal-buying activities (News)	May 23
In question (News)	Apr 37
Jury says Illinois utility must accept Wyoming coal (News)	Jun 30
Land Board won't increase royalty (News)	Jul 17
Low-vol steam (News)	Jun 35
More coal (News)	Sep 45
New tail stacks (News)	Jun 35
New coal-burning systems are on the threshold	Jun 105
New power plant (News)	Aug 31
Nipco will pay \$181 million for cancelling coal contract (News)	Oct 31
On hold (News)	Jul 30
Panel wants coal-fired plants for N.C. (News)	Jul 13
PFB turbocharged boiler cycle proposed	Jun 109
Plants to China (News)	Jun 37
Pollution control (News)	Aug 31
Power plants burn low-volatile met coal in test (News)	Oct 29
PP&L government action (News)	Apr 37
PP&L sued (News)	Apr 37
Recovering costs (News)	Oct 33
South's heat wave offers no warmth to the coal industry (News)	Sep 17
State agencies scrutinize UP&L's bid for coal reserves (News)	Jan 19
Swiss reject coal (News)	Jan 43
Tallahassee plans to go ahead with FBC plant (News)	Dec
Texas Utilities buys town to resolve complaints (News)	May 28
Texas Utilities cuts back plans to expand lignite mining (News)	Apr 23
TVA paid less for coal than other utilities in 1985 (News)	Jan 21
UP&L assumes direct control of Emery mine operations (News)	Jun 16

UP&L halts coal mining operations (News)	Jul 20
Using oil and coal (News)	May 33
VP considers burning imported Colombian coal (News)	Feb 28
VP tries to avoid rail rates by barge (News)	Jan 23
VP will sell Laurel Run to Island Creek (News)	Aug 19
Won't renew contract (News)	Feb 35
Utilization, see Coal usage	

Venezuela	
Coal for steel (News)	Oct 35
Coal to Israel (News)	Apr 39
Met (News)	Oct 35
To move into world market (News)	Dec
Ventilation	
Cut longwall ignitions by lowering methane concentrations at shearers	Aug 66
Oasis of cool, coal air	Feb 67
Sprayfan ventilates face better than conventional systems (DitW)	Mar 71
Virginia	
Barging program yields lower rail rates for Virginia Power (News)	Nov 13
Coal-water mixtures await large commercial try-out (News)	Mar 17
County refuses to cut coal tax (News)	Jan 31
Producers fight rail rate hike (News)	Mar 29
State considers rules to hamper Colombian coal imports (News)	Mar 23
Takes steps to boost its coal (News)	Jun 27
VP considers burning imported Colombian coal (News)	Feb 28
VP tries to avoid rail rates by barge (News)	Jan 23
VP will sell Laurel Run to Island Creek (News)	Aug 19

Washington Scene	all 9
Water transport, see also Haulage	
Barging program yields lower rail rates for Virginia Power (News)	Nov 13
Brokers offer coal freight futures (News)	Apr 27
Chunk of dry ice prevents shipped coal from overheating (DitW)	Feb 85
Coal terminal is a supermarket offering 100 different blends	Nov 58
Colombian port (News)	Mar 32
Deeper ports might attract more coal to Mobile, Baltimore (News)	Sep 18
Drummond will haul via New Orleans (News)	Jul 27
Florida finds hauling coal from East Coast economical (News)	Jul 20
Mobile plans to deepen its channel to aid coal exporters (News)	Mar 25
Pier recommended (News)	Feb 37
Port expansion (News)	Jun 37
Portland puts uncompleted coal terminal on the block (News)	May 25
Ports compete for the little export coal business there is (News)	May 12
VP tries to avoid rail rates by barge (News)	Jan 23

West Virginia	
Acid job loss (News)	Jul 30
Best compliance (News)	Feb 35
Buyers found (News)	Feb 35
Closed in W. Va. (News)	Jan 41
Coal companies dry out from November floods (News)	Jan 37
Commissioner at last (News)	Mar 31
Consol gift (News)	Mar 31
Eastern relocation (News)	Jun 35
Finer mines (News)	Aug 31
Full bolting required (News)	Oct 33
Hauling allowed (News)	Jan 41
In the forest (News)	Jul 30
Increased productivity (News)	Aug 31
Letters to the editor	Oct 56
Morgantown becoming fluidization center of world (DitW)	Aug 71
New law suggests treating rail lines as highways (News)	May 15
Prospecting for profit (News)	Nov 31
Rocketfaller blast (News)	Mar 31
State control (News)	Oct 33
Wilcox miners are no longer exempt in West Virginia (News)	Sep 23
Wisconsin	
Becomes a major market for low-sulfur coal (News)	May 22
Wyoming	
Coal could lose markets to foreign producers (News)	Jan 27
Jury says Illinois utility must accept Wyoming coal (News)	Jun 30

Land Board won't increase royalty (News).....Jul 17
Local victory (News).....Nov 31
Mobil aims to enhance western coals with new drying process.....Feb 80
Oklahoma's gain, Wyoming's loss (News).....Jun 33
OSM gives okay to mining Red Rim (News).....Jan 33
Red Rim agreement (News).....Apr 37

Rockefeller wants to trade for Powder River coal reserves (News).....Jul 28
Tax drops (News).....Sep 45
Trying low-wall stripping and cast blasting, too.....Oct 62
Yugoslavia
Hungary imports coal (News).....Jun 37
New Yugoslav mine (News).....Sep 47

Output (News).....Aug 32
Trade pact (News).....Jan 43
Zambia
Imbalance of trade (News).....Feb 37
Maamba mine (News).....Jun 37
Zimbabwe
African coke ovens (News).....Jul 33
Imbalance of trade (News).....Feb 37

COMPANY INDEX

Amax Coal Co.
To Arch (News).....Apr 37
Counts on 1985 cuts to aid 1986 performance (News).....Apr 31
Plans to reopen Price River as Castle Gate (News).....Jun 33
Safe mines (News).....Jul 30
Top producers had a bad 1985 (News).....Apr 13
Amax, Inc.
Acquisition completed (News).....Jul 30
Anaconda Minerals
Less thunder (News).....Mar 31
Top producers had a bad 1985 (News).....Apr 13
Arch Mineral Corp.
Amax to Arch (News).....Apr 37
Could Buy Diamond Shamrock Coal for \$135 million (News).....Sep 21
Giant BWE joins largest shovel.....Sep 56
Trying low-wall stripping and cast blasting, too.....Oct 62
Archer-Daniels-Midland Co.
Boiler projects (News).....Sep 45
Ashland Oil, Inc.
Might sell its coal business (News).....Oct 12
Might sell its coal properties to fight takeovers (News).....May 31
Barnes & Tucker Co.
Closed early (News).....May 33
R&P bids to acquire Barnes & Tucker (News).....Jan 36
UMW grievance (News).....Jun 35
Beckley Coal Mining Co.
Layoff (News).....Oct 33
Bethlehem Mines Corp.
Contract ratified (News).....Mar 31
Bethlehem Steel Corp.
Mine for sale (News).....Nov 31
Big Horn Coal Co.
Wants to change (News).....Nov 23
Black Beauty Coal Co.
Resources for sale (News).....Dec
Black Butte Coal Co.
Will supply Nevada plants (News).....Sep 13
C&K Coal Co.
Perpendicular stripping pays in northern Appalachia.....Nov 48
Carbon Coal Co.
Low demand for coal closes Mentmore mine (News).....Sep 40
Carbon County Coal Co.
Hanna Mine suspends production (News).....Jun 17
Spot purchase might keep mine open (News).....Feb 28
Case Mining Co.
Mining prep plant refuse line for coal.....Apr 80
Cleancoal Terminal Co.
Cleancoal construction (News).....Jul 30
Cogenrix, Inc.
Turns to coal for cogeneration projects (News).....Nov 22
Colorado Westmoreland, Inc.
Plans to reopen Orchard Valley (News).....Oct 30
Consolidation Coal Co.
Acquires reserves to expand into new markets (News).....Oct 17
Award (News).....Nov 31
Buys Inland Steel's mines (News).....Dec
Buys Sierra Coal from Australian company (News).....Aug 23
Clean lakes (News).....Sep 45
Deadly cavity (News).....Aug 31
Gift (News).....Mar 31
Layoffs (News).....May 33
More layoffs (News).....Nov 31
School district sues Consol for mine subsidence damage (News).....Sep 43
Top producers had a bad 1985 (News).....Apr 13
Violations cited in Consol accident (News).....Mar 19
CSX Corp.
Quintana buys CSX coal properties (News).....Nov 19

Writes off some coal holdings (News).....Jan 15
Cyprus Coal Co.
Buys into mining's big time.....Oct 44
Plateau contract (News).....Nov 31
Decker Coal Co.
Detroit Edison takes Decker to court (News).....May 29
UMW pact (News).....Nov 31
Delta Minerals
Guilty (News).....Jun 35
Ordered to work (News).....Jul 30
Diamond Shamrock Coal Co.
Arch Mineral may buy Diamond Shamrock Coal for \$135 million (News).....Sep 21
Closed in W. Va. (News).....Jan 41
Eastern coal business is for sale (News).....Apr 35
Plans Alaskan coal mine project (News).....Jan 39
Dorchester Coal Co.
Mines might open under new management (News).....Apr 31
Drummond Coal Co.
Consolidates its position (News).....Feb 23
Might buy into Colombian mine venture (News).....Aug 23
Surface mine idles (News).....Sep 45
Will haul via New Orleans (News).....Jul 27
Eastern Associated Coal Co.
Back to work (News).....Apr 37
Headquarters move (News).....Jul 30
Keystone sold (News).....Oct 33
Relocates (News).....Aug 31
Relocation (News).....Jun 35
Wins suit (News).....May 33
Work force halves (News).....Sep 45
Electric Fuels Corp.
Buys coal company (News).....Apr 37
Chinese bid in U.S. (News).....Jun 37
Spot bids awarded (News).....Feb 35
Elk River Resources
Top producers had a bad 1985 (News).....Apr 17
Emery Mining Corp.
Doesn't have to reimburse miners for training (News).....Mar 29
Swings back into action.....May 42
UP&L assumes direct control of Emery mine operations (News).....Jun 16
Wilberg bodies recovered one year after disaster (News).....Jan 37
Wilberg searched for cause of 1984 fire (News).....Oct 25
Enoxy Coal, Inc.
Headquarters move (News).....Jan 41
Exxon Coal USA, Inc.
Top producers had a bad 1985 (News).....Apr 15
Fetterolf Mining
Water supply (News).....Jul 30
Gatliff Coal Co.
To reopen underground mine (News).....Jun 32
Genoa Coal Co.
Mine reopened (News).....Nov 31
Inland Steel Coal Corp.
Consol buys mines (News).....Dec
Island Creek Coal Co.
Correction to census (News).....Sep 40
Fears it might lose coal sales to Romania (News).....Aug 19
Layoffs (News).....Aug 31
VP will sell Laurel Run to Island Creek (News).....Aug 19
Top producers had a bad 1985 (News).....Apr 17
J&J Coal Co.
Award upheld (News).....Jan 41
Kaiser Coal Corp.
Production suspended (News).....May 33
Rehires some, lays off others (News).....Jul 20

U.S. Steel sells coal property to Kaiser (News).....Feb 13
Kerr-McGee Coal Corp.
Top producers had a bad 1985 (News).....Apr 17
Kitt Energy Co.
Layoff (News).....Mar 31
KRW Energy Systems
Still trying (News).....May 33
Larosa Coal Co.
Withdrawn (News).....Jun 35
Laswell Coal Co.
With low development costs, a small underground mine can pay.....Sep 62
Martin County Coal Corp.
New technology boosts production and lowers costs (News).....Jul 24
Massey Coal Co., A. T.
Can pay less (News).....Jan 41
Headache? (News).....Jun 35
Ruling favors union in Massey dispute (News).....Apr 33
Strike ends (News).....Jan 11
Strike is over, but conflict lingers for Massey and UMW (News).....Mar 15
Top producers had a bad 1985 (News).....Apr 15
Two-year-old contract dispute between UMW, Massey continues (News).....Oct 24
Metec, Inc.
New management gives TSM new lease on life (News).....Feb 17
Mettiki Coal Corp. (Mapco)
Record longwalling (News).....Jul 30
Mid-Continent Resources
Company bars union rep on inspection (News).....Jun 23
Sales agreement (News).....May 33
Mobil Coal Producing Inc.
Aims to enhance western coals with new drying process.....Feb 80
Nacco Industries, Inc.
Diversification (News).....Jul 30
National Mines Corp.
Takes its coal to non-met markets (News).....Apr 27
Nerco Coal Corp.
Complaint against Nerco seeks lower coal prices (News).....Sep 41
Positions itself as energy services company (News).....Jan 17
Renegotiates contract terms with four customers (News).....Jul 13
Sells Alabama coal operations (News).....Feb 19
Top producers had a bad 1985 (News).....Apr 15
New River Co.
'We couldn't make it' (News).....Feb 35
North American Coal Corp.
Diversification (News).....Jul 30
Might seek growth through diversification (News).....Sep 13
Reserves sold (News).....Jun 35
Top producers had a bad 1985 (News).....Apr 15
North River Energy Co.
P&M acquires North River Energy Co. (News).....Aug 25
Old Ben Coal Co.
Fast-tracks a prep plant.....Mar 49
New president cuts staff, relocates office (News).....Sep 15
Paramont Coal Corp.
Pittston acquires Paramont (News).....Aug 27
Signs contract, faces unionization move (News).....Oct 30
PBS Coals
Water supply (News).....Jul 30
Peabody Coal Co.
Closed in Ky. (News).....Jan 41
Moves to new headquarters (News).....May 31
New mine (News).....Sep 45

OSM enters conflict between Hopi and Peabody Coal Co. (News).....	Jan 21
Top producers had a bad 1985 (News).....	Apr 13
Pennsylvania Mines Corp.	
Accident suit (News).....	Apr 37
Government action (News).....	Apr 37
Phoenix Resources, Inc.	
In the forest (News).....	Jul 30
Pittsburg & Midway Coal Mining Co.	
Acquires North River Energy Co. (News).....	Aug 25
Top producers had a bad 1985 (News).....	Apr 17
The Pittston Co.	
Acquires Paramount to aid its steam coal position (News).....	Aug 27
Improves performance with new machinery (News).....	Jun 13
Top producers had a bad 1985 (News).....	Apr 15
Plateau Coal Sales	
Must rehire (News).....	Jul 30
Quintana Minerals Corp.	
Buys CSX coal properties (News).....	Nov 19
Reading & Bates Corp.	
Executive plans to purchase Reading & Bates coal unit (News).....	Apr 32
Rochester & Pittsburgh Coal Co.	
Bids to acquire Barnes & Tucker (News).....	Jan 36
Other Pennsylvania operators cry; R&P thrives (News).....	May 13

Rocky Mountain Energy Co.	
Rezoning could interfere with Rocky Mountain mine (News).....	Jun 31
Salt Lake Project	
A mine of one's own (News).....	Apr 37
SF Coal Corp.	
Cuts back Lee Ranch operations (News).....	Jul 25
Shell Oil Co.	
UMW urges boycott of Shell products (News).....	Mar 25
Won't mine (News).....	Mar 31
Sierra Coal Co.	
Consolidation buys Sierra Coal from Australian company (News).....	Aug 23
Texas Utilities Mining Co.	
Buys a town to resolve complaints (News).....	May 28
Cuts back plans to expand lignite mining (News).....	Apr 23
Top producers had a bad 1985 (News).....	Apr 13
Trapper Mining Inc.	
Spoil-side dip-line stripping works well with cast blasting.....	Aug 40
United Coal Co.	
Cell creates microbubbles to latch on to finer coal.....	Aug 62

Paying Congressmen to tour mine sparks controversy (News).....	Jul 18
U.S. Steel Mining Co.	
Cutbacks (News).....	Sep 45
85 recalled (News).....	Feb 35
Faces difficulties developing outside coal sales (News).....	Jul 19
Layoffs (News).....	Aug 31
Sells coal property to Kaiser (News).....	Feb 13
Utah International	
Top producers had a bad 1985 (News).....	Apr 17
Valley Camp Coal Co.	
Coal reserves bought (News).....	Aug 31
Virginia City Coal Co.	
Must accept UMW union with mine it acquired (News).....	Feb 19
Western Associated Coal Corp.	
Building by year-end (News).....	Mar 31
Western Energy	
Fights seminal surface mining law (News).....	Nov 17
Rosebud layoff (News).....	Jun 35
Westmoreland Coal Co.	
Fire forces Westmoreland's Orchard Valley mine to close (News).....	Jul 27
Imperial sale (News).....	Mar 31
Met contract (News).....	May 33
Workforce cut (News).....	Feb 35

AUTHOR INDEX

Ayat, M. G.	
How to take advantage of the new OSM blasting regulations.....	Mar 42
Beasley, Robert L., Sr.	
Stemming the magnetite flood.....	Jul 50
Boyles, Michael R.	
Stemming the magnetite flood.....	Jul 50
Brezovec, David	
Cyprus Coal buys into mining's big time.....	Oct 44
With careful planning, a mine closes economically and efficiently.....	Nov 42
Emery swings back into action.....	May 42
With low development costs, a small underground mine can pay.....	Sep 62
UMW consolidates its hold.....	Jun 117
Underground mine monitor systems.....	Dec
Burger, John R.	
It takes fewer men to make cleaner coal.....	Jun 85
Three new approaches to problem of dewatering fine coal.....	Jan 52
U.S. loss control management cuts production losses.....	Feb 72
Cecala, Andrea B.	
Cut longwall ignitions by lowering methane concentrations at shearers.....	Aug 66
Chronis, Nicholas P.	
Accurate detonators in trials boost production, reduce shock.....	Apr 48
Accurate timed delays improve vibration control and breakage.....	Jan 62
Automatic truck dispatching..... study in Europe finds it pays.....	May 48
Bureau continues to pour out useful medley of machines and ideas.....	Feb 60
Cell creates microbubbles to latch on to finer coal.....	Aug 62
With dozers, bigger is better.....	Jul 56
Giant BWE joins largest shovel.....	Sep 56
Microwaves dry fine coal.....	Dec
Novel techniques give dozers powerful capabilities.....	Mar 58
Perpendicular stripping pays in northern Appalachia.....	Nov 48
Smaller, versatile draglines operate in tandem, reach deep seams efficiently.....	Dec
Speedy method pinpoints best densities for separating coal.....	May 55

Spoil-side dip-line stripping works well with cast blasting.....	Aug 40
Super-polymer solidifies coal-clay waste for disposal.....	Oct 58
Surface mining of coal..... growth through evolution.....	Jun 69
Tool-kit approach produces handy surface-mining software.....	Sep 68
Trying low-wall stripping and cast-blasting, too.....	Oct 62
Cox, John N.	
Stemming the magnetite flood.....	Jul 50
Davies, Roger K. L.	
Monitoring hoist safety equipment.....	Jan 66
Davis, J. J.	
Density tracers give option to float-sink tests.....	May 60
Divers, Edward F.	
Bolt faster, cut bit costs in hard roof.....	Jul 54
Galuszka, Peter	
Midwest: new life for spot market.....	Feb 51
1911-1986: coal's rise and fall and rise.....	Jun 47
Gibbs, Betty L.	
Power of personal computers grows in surface mining.....	Jul 40
Green, Peter	
Modern deep mining: revolutionary, evolutionary.....	Jun 59
Hedges, David N.	
With careful planning, a mine closes economically and efficiently.....	Nov 42
Hodel, Martha Bryson	
Appalachia: things have to get better.....	Feb 48
Jankowski, Robert A.	
Cut longwall ignitions by lowering methane concentrations at shearers.....	Aug 66
Johnston, F. Thomas	
Improved silo design solves coal discharge problems.....	Jan 57
Kissell, Fred N.	
Cut longwall ignitions by lowering methane concentrations at shearers.....	Aug 66
Ledvina, Christopher T.	
Geologic mapping can boost productivity, safety underground.....	Apr 54
Lyman, G. L.	
Density tracers give option to float-sink tests.....	May 60

Masullo, Angelo L., Jr.	
Pneumatic stowage becomes affordable.....	Mar 52
Merritt, Paul C.	
Advanced coal cleaning processes sought for superclean coal.....	Jun 95
Cyprus Coal buys into mining's big time.....	Oct 44
New coal-burning systems are on the threshold.....	Jun 105
New mine projects remain few in number.....	Nov 54
Underground mine monitor systems.....	Dec
Organiscak, John A.	
Bolt faster, cut bit costs in hard roof.....	Jul 54
Peake, Cecil V.	
Longwall output continues to rise.....	Aug 58
Pitman, Frank	
The West: production rises, but prices die.....	Feb 53
Prelaz, L. J.	
Computer selects optimum entry centers.....	Jan 70
Rajan, Settur R.	
Cut longwall ignitions by lowering methane concentrations at shearers.....	Aug 66
Roberts, James M.	
Pneumatic stowage becomes affordable.....	Mar 52
Schneider, L. C.	
How to take advantage of the new OSM blasting regulations.....	Mar 42
Turrel, John	
To sell more coal, help sell more electricity.....	Apr 76
Weatherington, Richard	
Employment-at-will? Don't fire at will! Do's and don'ts to stay out of court.....	Mar 62
Wilkinson, Joseph F.	
Coal Age and coal, 75 years of interaction.....	Jun 127
William Carr receives Coal Age Award.....	Dec
Improved silo design solves coal discharge problems.....	Jan 57
Mining prep plant refuse line for coal.....	Apr 80
Old Ben fast-tracks a prep plant.....	Mar 49
Outlook 1986: over-capacity depresses prices.....	Feb 46
Wood, C. J.	
Density tracers give option to float-sink tests.....	May 60

